

Message Text

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ORIGIN ERDA-07

INFO OCT-01 EA-09 ISO-00 PM-04 FEA-01 ACDA-10 CIAE-00
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-----140354Z 122939 /15

P 131520Z MAY 77
FM SECSTATE WASHDC
TO AMEMBASSY TOKYO PRIORITY

UNCLAS STATE 108220

E.O. 11652: N/A

TAGS: TECH

SUBJECT: LMFBR FUELS AND MATERIALS WORKING GROUP;
SPECIALISTS MEETING ON MATERIALS HANDBOOK, MATERIAL TEST
PROGRAMS, AND DATA BANKING SYSTEMS

REF: TOKYO TWX 5575, DTD APRIL 18, 1977, SHOESMITH
(AMEMBASSY, TOKYO) TO BECKJORD, ET AL (ERDA), SUBJECT AS
ABOVE

1. ERDA CONCURS IN THE AGENDA SUGGESTED BY PNC AND TRANS-
MITTED BY TOKYO TWX 5575, WITH THE FOLLOWING COMMENTS:

2. MONDAY, MAY 16, 1977 AM - ERDA'S MATERIALS PROPERTY
DATA GENERATION PROGRAMS WILL BE DISCUSSED WITH EMPHASIS
ON STRUCTURAL MATERIALS. A SHORT DISCUSSION OF FUEL AND
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ABSORBER MATERIALS PROPERTY DATA GENERATION WILL ALSO BE
INCLUDED. SINCE CLADDING AND DUCT MATERIALS WILL BE
DISCUSSED IN AN ERDA/PNC MEETING IN JUNE, THESE PROGRAMS
WILL NOT BE INCLUDED IN THE SCOPE OF THE MAY MEETING.

3. WEDNESDAY, MAY 18, 1977 - AT THE PNC/ERDA SPECIALISTS
MEETING ON FUELS AND MATERIALS FEBRUARY 28 - MARCH 3,

1977, IN TOKYO, SEVERAL RECOMMENDATIONS FOR FUTURE COOPERATION WERE MADE TO THE JOINT COORDINATING COMMITTEE. FURTHER DISCUSSIONS ON THREE OF THESE RECOMMENDATIONS WERE TO HAVE TAKEN PLACE IN CONJUNCTION WITH THE MAY SPECIALISTS MEETING ON THE MATERIALS HANDBOOK. ERDA SUGGESTS THAT THESE DISCUSSIONS BE SCHEDULED FOR WEDNESDAY, MAY 18. SPECIFICALLY, THE FOLLOWING SHOULD BE DISCUSSED:

FUEL-PIN PERFORMANCE PREDICTION AND MEASUREMENT

- EXCHANGE DATA FORMAT SHEETS FOR PIPER AND ACTIVE II (PNC) AND LIFE (ERDA).
- DEFINE DETAILED SCOPE AND SCHEDULE FOR THE PHASE I PROGRAM INCLUDING EXCHANGE OF LETTER REPORTS ON THE RESULTS OF THE CODE PREDICTIONS.

FUEL DESIGN CRITERIA

- EXCHANGE MONJU/CRBR HOT PIN DESIGN AND OPERATING PARAMETERS.
- DEFINE SCOPE AND SCHEDULE FOR PIN LIFETIME AND CLAD STRAIN CALCULATIONS, INCLUDING EXCHANGE OF LETTER REPORTS COVERING THE RESULTS.

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- ERDA WILL PRESENT RECOMMENDATIONS FOR PNC CONSIDERATION.

4. ONE OTHER AREA OF COOPERATION TO BE FURTHER DISCUSSED AT THE MAY MEETING WAS INCLUDED IN THE RECOMMENDATIONS WHICH RESULTED FROM THE FUELS AND MATERIALS SPECIALISTS MEETING. THIS WAS TO BE A JOINT POWER-TO-MELT IRRADIATION TEST IN EBR-II. AT THE PRESENT TIME; HOWEVER, DUE TO BUDGETARY CONSTRAINTS ON THE ERDA PROGRAM WHICH HAVE OCCURRED SINCE THE ERDA TEAM RETURNED, WE ARE NO LONGER IN A POSITION TO CONSIDER THE JOINT TEST ON MIXED URANIUM-PLUTONIUM OXIDE. HOWEVER, ERDA WOULD CONSIDER PROPOSALS TO EXCHANGE OUR POWER-TO-MELT DATA IN THE CONTEXT OF THE OVERALL ERDA/PNC FUELS AND

MATERIALS EXCHANGE. IN ADDITION, IF PNC WAS INTERESTED IN A JOINT TEST WITH MIXED URANIUM-THORIUM OXIDE FUEL PINS, THIS COULD BE CONSIDERED.

5. WE ARE LOOKING FORWARD TO A SUCCESSFUL MEETING WITH
THE PNC REPRESENTATIVES. CHRISTOPHER

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Message Attributes

Automatic Decaptioning: X
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Copy: SINGLE
Sent Date: 13-May-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Drafter: AIA:MMCDONOUGH:JLB
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
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Review Exemptions: n/a
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